



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

URGENT

649.5110
Job Sheet 177165



Part No: 649.5110

Job Qty: 10 ea

Part Name: Wiper Deflector



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/8/18

Job Tracking No:

Due Date: 5/14/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG 649.5100 REV.D SHEETS 1,3 IPP REV A NEW ISSUE R.Q. 13/10/03 VERIFIED BY: J.F.S. IPP REV:B 18.03.28 AS PER DWG REV.D DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	10 Ea	5/14/18	5/14/18	0.00	0.00	Start Up Machining-1		DAS 18/05/22
100	Bandsaw	10 pcs	5/14/18	5/14/18	0.00	5.09	Bandsaw1		52 18/05/22
110	CNC Vertical Machining	10 pcs	5/14/18	5/14/18	0.00	5.09	HAAS1-1		9-89 18/05/22
120	QC	10 pcs	5/14/18	5/14/18	0.00	0.00	QC2 Machining-1		18/05/22
130	QC	10 pcs	5/14/18	5/14/18	0.00	0.00	QC8 Machining-1		18/05/23
140	Outsource	10 pcs	5/14/18	5/14/18	0.00	0.00	Outsource4		CT185-23 18/05/23
150	Packaging	10 pcs	5/14/18	5/14/18	0.00	0.00	Packaging2		AP 18/05/23
155	QC	10 pcs	5/14/18	5/14/18	0.00	0.00	QC5		1 MAY 29 2018
180	Packaging	10 pcs	5/14/18	5/14/18	0.00	0.00	Packaging3-1		9-89 MAY 30 2018
190	QC21-SA	10 Ea	5/14/18	5/14/18	0.00	0.00	QC21		21 MAY 30 2018

Part Op 100 - Cut Blank at 4.625"

Descriptions: 110 - 1-Machine per folio FB214 DWG REV: D FOLIO REV: A 2- deburr and break all sharp edges

120 - QC2- Inspect parts off machine FAI/FAIB

130 - QC8- Inspect parts - second check

140 - Outsource process-Anodize per QSI017 4.1.10.1 Issue P/O to ATG : 200399169 1- Black Anodize as per Dwg 649.5100 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Conformity is required

150 - Receive & Inspect for Damage & Mat'l Certs

155 - QC5- Inspect part completeness to step on W/O

180 - Identify as per dwg & Stock Location: _____ ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

190 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6B1.500X1.500	7075 T6 Bar 1.500 X 1.500	3.8500 ft (.385 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6B1.500X1.500	4	0	0

FM138563 = 3.89' → 5073121

Part Specifications

Specifications could not be found.



Container No: S073123



Part: 649.5110

Job No: 177165

Serial No/Batch: S073123

Revision: D

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 05/22/16

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

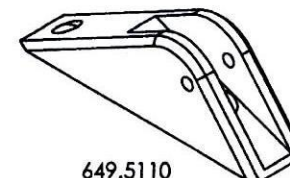
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER :					

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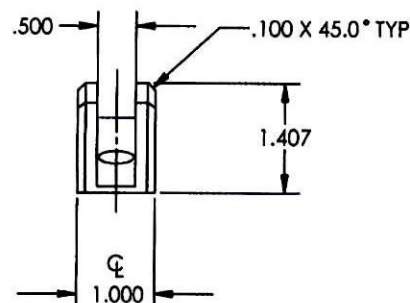
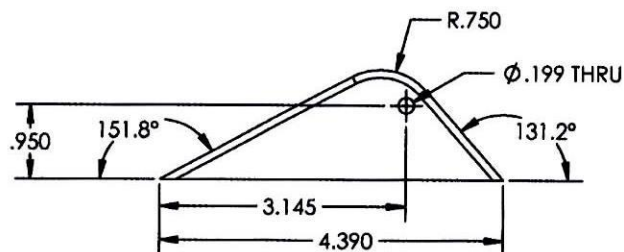
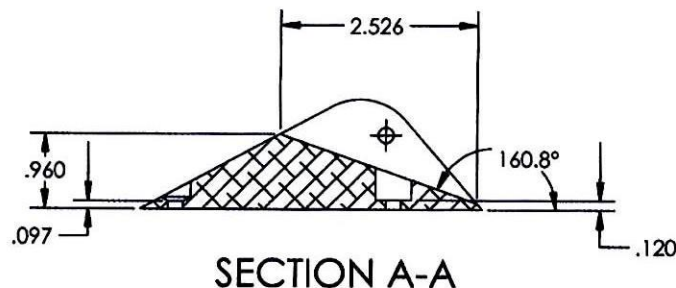
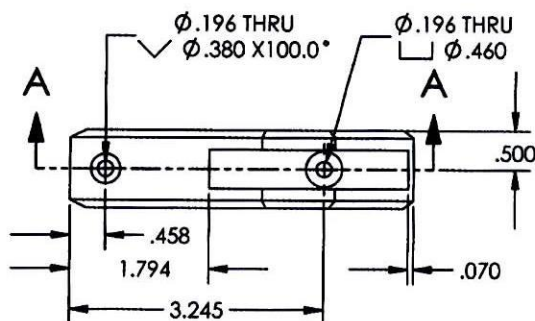
NOTES:

- 1 MATERIAL : ALUMINUM 7075-7651 PER AMS-QQ-A-250/12.
- 2 FINISH: ANODIZE AND PRIME PER MPP-172 SECTIONS 2.1 & 4.3.
- 3 PART CONTROLLED BY CAD MODEL
FILE NAME: 649.5110 WIPER DEFLECTOR.SLDPRT, LAST MODIFIED 12/07/11.
- 4 PART CONTROLLED BY CAD MODEL
FILE NAME: 649.5111 WIPER DEFLECTOR.SLDPRT, LAST MODIFIED 02/06/18.
- 5 PART CONTROLLED BY CAD MODEL
FILE NAME: 649.5112 WIPER DEFLECTOR.SLDPRT, LAST MODIFIED 02/06/18.
- 6 PART CONTROLLED BY CAD MODEL
FILE NAME: 649.5113 WIPER DEFLECTOR SHIM.SLDPRT, LAST MODIFIED 02/06/18.
- 7 DEBURR AND BREAK ALL SHARP EDGES.
- 8 IDENTIFY IAW MPP-120. LASER ETCH P/N REVISION, 12 PT. CENTURY GOTHIC

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
NC	INITIAL RELEASE	12-07-11	P. BRAVO
A	INCORPORATED ECH 03474	04-11-12	P. BRAVO
B	INCORPORATED ECH 03275, 00802	08-26-17	P. BRAVO
C	INCORPORATED ECH 03877	10-26-17	P. BRAVO
D	INCORPORATED ECH 08927	02-06-18	P. BRAVO



649.5110



QTY	PART #	DESCRIPTION	MATL	SPEC.
4	649.5113	WIPER DEFLECTOR SHIM		
3	649.5112	RH WIPER DEFLECTOR		
2	649.5111	LH WIPER DEFLECTOR		
1	649.5110	WIPER DEFLECTOR		
PARTS LIST				
NEXT ASSY (S)				
649.4700				
ORIGINAL DATE 12/07/11				
DRAWN BY A. GUAN				
CHECKED BY P. BRAVO				
DESIGNED BY P. BRAVO				
APPROVED BY P. BRAVO				
CORRECTED NO.				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS ARE IN INCHES				
TOLERANCES ARE:				
3 PLACE DECIMALS .001				
2 PLACE DECIMALS .005				
ANGLES .5°				
SCALE NONE				
SHEET 1 OF 3				

DART AEROSPACE
3030 ENTERPRISE CT.
SUITE A
VISTA, CA, 92081
(760)-724-5300
APICAL INDUSTRIES INC.
DBA DART AEROSPACE

WIPER DEFLECTORS

REV. D
CAGE CODE 07M26
DWG. NO. 649.5100
SCALE NONE



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039969**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039969
PO Date: 5/23/18
Due Date: 5/29/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground
Pynt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	175736	647.1711	Plate Issue P/O to ATG : _____	Firmed	5/29/18	10 pcs	0 pcs	10 pcs	\$33.51/pcs	\$335.10
2	174100	646.3610	Filler Issue P/O to ATG : _____ 1- Hard Anodize Black and Prime as per Dwg 646.3600	Firmed	5/29/18	12 pcs	0 pcs	12 pcs	\$9.86/pcs	\$118.32
3	172762	647.1714	Plate Issue P/O to ATG : _____ Hard Anodize and Prime as Per Dwg 647.1700 Rev. E	Firmed	5/29/18	10 pcs	0 pcs	10 pcs	\$33.51/pcs	\$335.10
4	173205	D4821-1	Windshield Deflector Issue P/O: _____ Hard Anodize, Color Black and Prime as per Dwg D4821 Rev. B	Firmed	5/29/18	4 pcs	0 pcs	4 pcs	\$53.51/pcs	\$214.04
5	177165	649.5110	Wiper Deflector Outsource process-Anodize per QSI017 4.1.10.1 Issue P/O to ATG : _____ 1- Black Anodize as per Dwg 649.5100 2- PRIME AS PER DWG, SEE NOTE #2 Certification of Comformity is required ** need back ASAP**	Firmed	5/29/18	10 pcs	0 pcs	10 pcs	\$11.81/pcs	\$118.10
Grand Total:										\$1,120.66

Order Notes

CC.

DAS
11
9-89



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915253

Date: 29-May-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 ea	Part: 649.5110 Wiper Deflector Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (.1 - 2 mils) per drawing. Job: 23143	Rev: D	DAS 11 9-89 MAY 29 2018
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>29/5/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			